



# Arkansas Centerline File Program

## Status as of 11/15/02



### Executive Summary

Detailed program status reports are posted to the Arkansas Geographic Information Office website once every month. The State Land Information Board and other major stake-holders are on an email distribution list that will contain a quick summary of the program status and a link to the detailed report on the website. For additional information, visit the Arkansas Centerline File Program (ACF) website at:

[http://www.gis.state.ar.us/AGIO/ACF/ACF\\_status.asp](http://www.gis.state.ar.us/AGIO/ACF/ACF_status.asp)

Below is a listing from most to least current Arkansas Centerline File Program (ACF) milestones:

- *November 18, 2002* - AGIO posts Madison County to the ftp site as the first local database to meet the ACF standard.
- *November 14, 2002* - AGIO completes the addition of miscellaneous roads and private drives to the Searcy Co. mapping from AHTD and forwards the database to Arkansas One Call for attribution in conjunction with the county's 911 coordinator. AGIO completes a pilot project illustration concerning how points from the County Assessor Mapping Program (CAMP <http://www.gis.state.ar.us/AGIO/CAMP.asp>) can be used to populate geocodable attributes efficiently onto mapping.
- *November 13, 2002* – AGIO meets with Spatial Data Research (contractor doing work in Lincoln, Miller, and Nevada county) who agrees to provide the AGIO with a data structure translation wizard so that the data they produce will adhere to the ACF standard.
- *November 10, 2002* - AGIO receives introductory data for review of preliminary database of roads collected using mapping grade GPS and field-verified geocodable attributes for adherence to the ACF standard for Lincoln and Miller counties.
- *November 4, 2002* - AGIO meets with a representative from Plant Equipment (contractor that produces MapStar for 911 offices in several counties). We verify that data in the ACF format will work with their software.

- *November 1, 2002* - AGIO develops methodology for county and feature level metadata as well as unique i.d. population.
- *October 31, 2002* - AGIO meets with Pulaski Area GIS (PAgis) to discuss status of their centerlines. Data should be available in early 2003.
- *October 23, 2002* - Greene County submits the local centerline data for review and reformatting to the ACF standard.
- *October 14, 2002* - Madison County is the first to turn over their local centerline database for review.
- *October 3, 2002* - ACF GIS layer templates are posted to the AGIO website in ESRI, Intergraph, MapInfo and MS Access format.
- *October 1, 2002* - AGIO completes review and comments of Conway County's preliminary database of roads collected using mapping grade GPS and field-verified geocodable attributes for adherence to the ACF standard.
- *September 26, 2002* - The Arkansas Centerline File Standard is officially filed with the Arkansas State Library as a rule and regulation. The Arkansas Highway and Transportation Department finishes mapping the Searcy Co. centerlines from Arkansas Digital Ortho Program aerial photos:  
<http://www.gis.state.ar.us/AGIO/adop.htm>
- *September 16, 2002* - AGIO hires a GIS Specialist to serve as project lead on the ACF Program.
- *September 2002* - The Arkansas Centerline File Standard is presented to the ALC-Administrative Rules and Regulations Committee.
- *August 2002* - The Arkansas State Land Information Board votes to adopt the following for inclusion into the proposed Arkansas Centerline File Standard:  
**Centerline shall include all clearly defined passages through which a standard vehicle may travel as well as driveways extending more than 500 feet and/or driveways containing two or more addressed structures.**
- *August 2002* - It is brought to the attention of the Arkansas State Land Information Board and Arkansas Geographic Information Office that "centerline" is not clearly defined in the standard and the capturing of driveways should be included.
- *July 2002* - Arkansas Centerline File Standard is submitted to the Bureau of Legislative Research to begin the promulgation process.

- *July 2002* - Arkansas Centerline File Standard official promulgation notice is mailed to 202 boards, commissions, agencies, higher education, vocational facilities, and county judges.
- *June 2002* - Arkansas State Land Information Board adopts Arkansas Centerline File Standard.
- *May 2002* - Arkansas Centerline File Task Force proposes the Arkansas Centerline File Standard to the Arkansas State Land Information Board.
- *February - July 2002* - Arkansas Centerline File Task Force holds numerous meetings to formulate a centerline standard.
- *January 2002* - Arkansas Centerline File Task Force is formed by the Arkansas State Land Information Board.

Currently the ACF Team is in the process of contacting all local entities that may be able to participate in the ACF program and asking them several questions as to what state their data is in or if they plan to create data (see last month's status report for a list of the questions). The Team is also collecting data for several counties, reviewing, commenting, and reformatting where appropriate for inclusion into the ACF statewide layer.

A meeting is currently being planned for early January for the 911 coordinators, county judges and other major stakeholders. It will be an informative and educational seminar on the ACF program, the program status, and most importantly the options currently available for producing centerline data. Below is a draft letter and presentation outline that will be sent out that contains more details:

The Arkansas Geographic Information Office (AGIO) invites you to attend an informative presentation that will focus on the creation of roads in a spatial database (GIS). This critical spatial data layer can be used for a number of applications including but not limited to: economic development, E-911 Phase II, road and bridge maintenance, asset management (related to GASB 34), homeland security and health related analysis. This presentation will emphasize the importance of the centerline (roads) spatial data layer, the state program termed Arkansas Centerline File ([http://www.gis.state.ar.us/AGIO/ACF\\_program.asp](http://www.gis.state.ar.us/AGIO/ACF_program.asp)). Specifically the program will focus on the state standards that should be followed, the status of the program, efficient and cost effective ways to collect quality centerlines (roads), pros and cons of using contractors, and assistance that can be provided by the AGIO.

Please make plans to attend this informative presentation to learn how you can help put Arkansas on the Map!

Sincerely,

Shelby Johnson  
State Geographic Information Coordinator

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#### Presentation Outline

1. What is the ACF program?
  - a. Purpose
  - b. History
2. The difference between an enhanced E-911 and a quality enhanced E-911
3. Why is it important?
  - a. E911 Phase I &II and Emergency Response
  - b. Disaster Recovery
  - c. Economic Development
  - d. Asset Management
  - e. Etc
4. ACF Status
  - a. Existing Federal data (why it is not an option)
  - b. Existing State Data (why old data is not an option)
  - c. Known data that exists locally
  - d. Known data planned or in progress
5. Options for data development
  - a. PDDs
  - b. Private Contractors
  - c. In-house with estimated cost and schedule
    - i. GPS
    - ii. Aerial Photos
6. Data distribution (GeoStor) and maintenance
7. How can AGIO help
  - a. Provide a standard and data (ADOP)
  - b. Provide a mass purchase agreement (hopefully)
  - c. Give them help with a bid process
  - d. Help to negotiate contracts
  - e. Help to QA deliverables

## **Upcoming Events and Tasks**

Here is an overview of some of the upcoming items for the ACF team:

- Continue meetings with GeoCom, SDR, PDDS, AHTD, One Call, NTB, MapMarker, Census, and various counties to discuss details of data that is being produced or is planned for production.
- Work with Arkansas One Call and Searcy County Judge to attribute the centerlines produced by AHTD and AGIO.
- Work with SDR to reformat data for Miller and Lincoln counties to the ACF standard and post to the ftp site.
- Work with Conway County to get their data into the standard and post to ftp.
- Work with Western Arkansas Planning and Development District to get data in the ACF standard for Sebastian County.
- Continue to promote the ACF standard whenever possible.
- Continue to coordinate with major stakeholders and provide easy access to project status.
- Post more status graphics and workflow documentation to the AGIO website.

## **Data Formatting Methodologies**

Data formatting methodologies are posted to the web at:

[http://www.gis.state.ar.us/AGIO/ACF/ACF\\_status.asp](http://www.gis.state.ar.us/AGIO/ACF/ACF_status.asp)

Also, look for the following workflow documents to be posted soon:

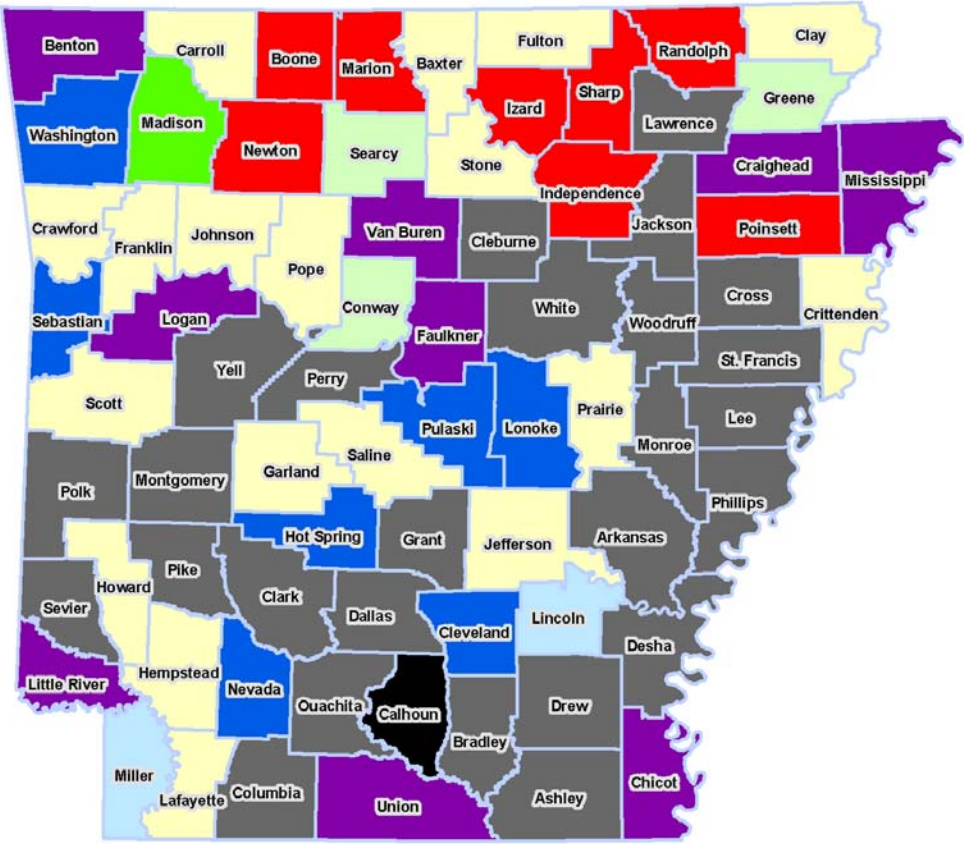
1. Cross walking Spatial Data Research file formats into the ACF standard format.
2. Cross walking NTB file formats into the ACF standard format .
3. Cross walking GeoCom file formats into ArcGIS.
4. Cross walking PAgis file formats into the ACF standard format.
5. Cross walking MapMarker file formats into ArcGIS.
6. Cross walking WAPDD file formats into the ACF standard format.
7. Direct upload of updated centerlines to GeoStor.
8. Reformatting metadata to fit the FGDC standards.












## **Status Overview**

Below is a broad overview of the results of AGIO research thus far by level of government and private entity information. For more detailed information, please see figures 1 and table 1 on the following pages.

- *County Level* – Madison County has been reformatted to the ACF standard database definitions; private drives and miscellaneous roads have been added. It has been placed on our ftp site and is the first county available to download in the ACF standard format. Preliminary files have been received for Conway, Miller, and Lincoln counties from contractors for the ACF team to review, make comments, and develop methodologies for crosswalking into the ACF standard and developing processes for maintenance. We hope to receive a data from Sebastian, Washington, and Hot Spring counties for inclusion into the ACF in the next couple of months. Greene County has been received from the county and is being adjusted to adhere to the standard. Searcy County has been completely digitized in accordance with the standard and is in the process of having the geocodable attributes. Several major cities within counties have either developed data or are in the process of creating data that will be incorporated into the final dataset.
- *State Level* – AHTD is about 50% complete with mapping Newton and Izard counties in adherence to the standard. Arkansas One Call is attributing Searcy County and will assist in the adjustment of Greene County.
- *Federal Level* – AGIO is working with the US Census Bureau to acquire resources for working with counties without 911 programs and as well as helping in attributing the counties that AHTD is mapping or counties with out 911 programs.

**Figure 1**

**Status as of 11/15/02**

- |   |   |
|---|---|
|  | US Census is working with the county                        |
|  | Need to contact   |
|  | Contact has been made - need to follow up with details      |
|  | County has no local data available                          |
|  | AHTD will digitize county from ADOP DOQs                    |
|  | Arkansas One Call is developing data                        |
|  | Dataset is complete or near complete and has been requested |
|  | Dataset has been recieved and is being reviewed by AGIO     |
|  | Dataset is being reformatted to fit the standard            |
|  | Dataset is ready to be loaded into GeoStor                  |
|  | Dataset is in GeoStor and is being maintained               |

**Table 1**

<b>County</b>	<b>Status</b>	<b>Status Date</b>
Carroll County	WellsCo GPSed these roads a few years ago. Need to contact to ask about maintenance practices and attributes.	11/16/2002
Cleburne County	The roads are available in AutoCAD with names. Need to contact, request data so that it can be reviewed.	11/16/2002
Greene County	Received their database. It is AHTD roads that have been added to as new roads went in. Also have new 911 county roads names added. If we reformat to the standard and show them a methodology they will adjust the spatial accuracy and fill in the rest of the attributes.	11/16/2002
Hot Spring County	Have received a dataset from Plant Equipment to be used for 911 with MapStar. We will review the data on 11/27/02 at a meeting.	11/16/2002
Izard County	AHTD is 40% complete digitizing the data.	11/16/2002
Lincoln County	County is under contract with Spatial Data Research and should be finished this year. AGIO has received a preliminary dataset and has reviewed. SDR is developing a translator into the ACF standard that can be run each time a new updated file is released. The data was GPSed at +/- 3 feet and has field verified address ranges.	11/16/2002
Lonoke County	AGIO did a pilot project in this county to use point address extracted from the CAMA data base used to conflate address ranges onto centerlines that are heads-up-digitized on the DOQs. The county will use this process to complete the dataset.	11/16/2002
Madison County	The data has been cross walked into the ACF database standard; roads were spatially adjusted where needed using ADOP imagery as a reference, and miscellaneous roads and private drives were added. It was placed on ftp on 11/18/02.	11/16/2002
Miller County	County is under contract with Spatial Data Research and should be finished this year. AGIO has received a preliminary dataset and has reviewed. SDR is developing a translator into the ACF standard that can be run each time a new updated file is released. The data was GPSed at +/- 3 feet and has field verified address ranges.	11/16/2002
Mississippi County	Centerlines have been developed by the Eastern Arkansas Planning and Development District. A meeting will be scheduled in January of 2003 to discuss details of data maintenance.	11/16/2002
Nevada County	Data has been developed using GPS. AGIO has requested a copy and should receive by 1/01/03 for review.	11/16/2002
Newton County	AHTD is 40% complete digitizing the data.	11/16/2002

Prairie County	Central Arkansas Planning and Development is currently GPSing the roads. They will be involved in a meeting on 1/03 with all the PDDs to discuss roles and responsibilities.	11/16/2002
Pulaski County	PAGis is developing address ranges for their previously developed centerlines. They are shooting for the end of 2002 to be about 90% complete with centerlines and building points. AGIO is developing a methodology for cross walking the centerlines into the ACF standard.	11/16/2002
Searcy County	AHTD has delivered the line-work they digitized on top of DOQs. It has been converted to a GIS ACF format; driveways and miscellaneous roads have been added by AGIO. Arkansas One Call is adding geocodable attributes and is working directly with the county as they develop a 911 program.	11/16/2002
Washington County	The county is being digitized and attributed by AR One Call. The cities of Fayetteville and Springdale have been collected with either GPS or by digitizing off of aerials. The data will need to be merged with AR One Call data and cross walked into the standard. The county is also under contract with Plant Equipment and should be receiving a file to use with MapStar. We will know the details of this file when we meet with Hot Spring County on 11/27/02.	11/16/2002
Yell County	Under contract with GeoComm. Same contractor that GPSed and attributed Madison County.	11/16/2002
Arkansas County	Need to contact.	10/4/2002
Ashley County	Need to contact.	10/4/2002
Baxter County	Contacted and made them aware of the standard. Need to follow up and discuss details.	10/4/2002
Benton County	Contacted their addressing coordinator. The county is mapping roads with a GPS receiver and is following the SLIB standards for GPS and ACF. Arkansas One Call is attributing a version of the roads with complete road names and address ranges. This data will need to be conflated and merged with the Bentonville dataset.	10/4/2002
Boone County	AHTD is planning to digitize this county on top of the SLIB DOQs.	10/4/2002
Bradley County	The County Judge has a mapping project. Need to follow up and discuss details.	10/4/2002
Calhoun County	This county does not have a 911 program. The US Census will take responsibility for generating this data.	10/4/2002
Chicot County	Arkansas One Call is attributing a version of the roads with complete road names and address ranges.	10/4/2002

Clark County	Have not contacted the county. Arkadelphia has a dataset that was created with GPS that has road names. Need to contact the county.	10/4/2002
Clay County	County was under contract with Miller Mapping. Need to follow up with details.	10/4/2002
Cleveland County	Contacted the county judge and requested the data. Needs to be contacted again.	10/4/2002
Columbia County	Need to contact.	10/4/2002
Conway County	County is under contract with NTB. AGIO has reviewed the preliminary dataset and will receive a copy of the final deliverable in the ACF standard.	10/4/2002
Craighead County	County is under contract with Fisher & Arnold and has address points and centerlines without address ranges. AGIO is investigating a way to transfer the point attributes to the centerlines.	10/4/2002
Crawford County	Western Arkansas Planning and Development is currently doing field work and should complete this county in the next year.	10/4/2002
Crittenden County	This county has been contacted and made aware of the standard. Need to follow up with details.	10/4/2002
Cross County	Need to contact.	10/4/2002
Dallas County	Need to contact.	10/4/2002
Desha County	Need to contact.	10/4/2002
Drew County	Need to contact.	10/4/2002
Faulkner County	Conway Corp. has street centerline data that is currently under review by Arkansas One Call.	10/4/2002
Franklin County	Western Arkansas Planning and Development is planning to start the field work in the next 4-6 weeks.	10/4/2002
Fulton County	The county is currently mapping streets with GPS.	10/4/2002
Garland County	The City of Hot Springs is mapping centerlines. Need to contact the county to discuss coordination details.	10/4/2002

Grant County	Need to contact.	10/4/2002
Hempstead County	The county has been contacted and made aware of the standard. Need to follow up with details. Hope is planning on developing centerlines from ortho photography that the City will acquire next year.	10/4/2002
Howard County	This county was under contract with Miller Management. AGIO has contacted them and is assisting them with a plan to develop centerlines.	10/4/2002
Independence County	AHTD is planning to digitize this county on top of the SLIB DOQs.	10/4/2002
Jackson County	Need to contact.	10/4/2002
Jefferson County	This county has been maintaining GDT data at the Office of Emergency Services.	10/4/2002
Johnson County	The county has been contacted and made aware of the standard. Need to follow up with details.	10/4/2002
Lafayette County	The county has been contacted and made aware of the standard. Need to follow up with details.	10/4/2002
Lawrence County	Need to contact.	10/4/2002
Lee County	Need to contact.	10/4/2002
Little River County	Arkansas One Call is attributing a version of the roads with complete road names and address ranges.	10/4/2002
Logan County	Need to contact.	10/4/2002
Marion County	AHTD is planning to digitize this county on top of the SLIB DOQs.	10/4/2002
Monroe County	Need to contact.	10/4/2002
Montgomery County	Need to contact.	10/4/2002
Ouachita County	Need to contact.	10/4/2002

Perry County	Need to contact.	10/4/2002
Phillips County	Need to contact.	10/4/2002
Pike County	Need to contact.	10/4/2002
Poinsett County	AHTD is planning to digitize this county on top of the SLIB DOQs.	10/4/2002
Polk County	Need to contact.	10/4/2002
Pope County	Using AHTD maps to digitize centerlines. Need to follow up with details.	10/4/2002
Randolph County	AHTD is planning to digitize this county on top of the SLIB DOQs.	10/4/2002
Saline County	The county judge's office is developing a cadastral database with addresses. AGIO will investigate a methodology for using this dataset to create ACF formatted centerlines.	10/4/2002
Scott County	This county is being GPSed by WAPDD. Should be complete by April 2003.	10/4/2002
Sebastian County	WAPDD is currently working to wrap up this project and will make the data available to AGIO to crosswalk into the standard.	10/4/2002
Sevier County	Need to contact.	10/4/2002
Sharp County	AHTD is planning to digitize this county on top of the SLIB DOQs.	10/4/2002
St. Francis County	Need to contact.	10/4/2002
Stone County	Need to contact.	10/4/2002
Union County	Arkansas One Call is attributing a version of the roads with complete road names and address ranges. AGIO is coordinating with the county's 911 office to develop better spatial data.	10/4/2002
Van Buren County	Contracted with Miller Mapping. Need to follow up and discuss details.	10/4/2002

White County	Need to contact.	10/4/2002
Woodruff County	Need to contact.	10/4/2002